



10/501280



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NP10 8QQ

I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation & Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

I also certify that the attached copy of the request for grant of a Patent (Form 1/77) bears an amendment, effected by this office, following a request by the applicant and agreed to by the Comptroller-General.

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Signed

Dated 26 February 2003

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Patents Act 1977  
(rule 16)

THE PATENT OFFICE  
B  
29 JAN 2002



29JAN02 E691578-1 C80842  
P01/7700 0.00-0201962.8

# Request for grant of a patent

(See the notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form)

The Patent Office

Cardiff Road  
Newport  
South Wales  
NP10 8QQ

1. Your reference **INTERLOCKING FENCE**

2. Patent application number  
(The Patent Office will fill in this part)

29 JAN 2002

**0201962.8**

3. Full name, address and postcode of the or of each applicant (underline all surnames)

**08301962001**

Patents ADP number (if you know it)

If the applicant is a corporate body, give the country/state of its incorporation

**THE PLASTIC CORE COMPANY LTD  
DRAKES IND. EST.  
SHAM LANE  
HALIFAX  
HX3 6RL  
UNITED KINGDOM**

4. Title of the invention

**INTERLOCKING FENCE**

5. Name of your agent (if you have one)

"Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)

**PLASTIC CORES APPLEYARD LEES  
SHAM LANE 15 CLARE ROAD  
HALIFAX  
HX3 6RL  
UNITED KINGDOM**

Patents ADP number (if you know it)

**08312902001**

6. If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number

Country

Priority application number  
(if you know it)

Date of filing  
(day / month / year)

7. If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application

Number of earlier application

Date of filing  
(day / month / year)

8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:

**YES**

- a) any applicant named in part 3 is not an inventor, or
  - b) there is an inventor who is not named as an applicant, or
  - c) any named applicant is a corporate body.
- See note (d))

# Patents Form 1/77

Enter the number of sheets for any of the following items you are filing with this form.  
Do not count copies of the same document

Continuation sheets of this form

Ø

Description

1

Claim(s)

1

Abstract

1

Drawing(s)

3

13

12

10. If you are also filing any of the following, state how many against each item.

Priority documents

Ø

Translations of priority documents

Ø

Statement of inventorship and right to grant of a patent (Patents Form 7/77)

1

(2 sheets)

Request for preliminary examination and search (Patents Form 9/77)

Ø

Request for substantive examination (Patents Form 10/77)

Ø

Any other documents (please specify)

Ø

11.

I/We request the grant of a patent on the basis of this application.

Signature

*[Signature]*

Date

28-01-02

12. Name and daytime telephone number of person to contact in the United Kingdom

RYAN

WILBY

01422

33 11 33

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After an application for a patent has been filed, the Comptroller of the Patent Office will consider whether publication or communication of the invention should be prohibited or restricted under Section 22 of the Patents Act 1977. You will be informed if it is necessary to prohibit or restrict your invention in this way. Furthermore, if you live in the United Kingdom, Section 23 of the Patents Act 1977 stops you from applying for a patent abroad without first getting written permission from the Patent Office unless an application has been filed at least 6 weeks beforehand in the United Kingdom for a patent for the same invention and either no direction prohibiting publication or communication has been given, or any such direction has been revoked.

## Notes

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- Write your answers in capital letters using black ink or you may type them.
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- If you have answered 'Yes' Patents Form 7/77 will need to be filed.
- Once you have filled in the form you must remember to sign and date it.
- For details of the fee and ways to pay please contact the Patent Office.

## Interlocking Fence Patent Application

This innovation relates to a product for establishing perimeters, defining boundaries and preventing access.

Such products are well-known as fences, barriers and walls. They are common place and can be used for many functions such as defining garden perimeters, separating agricultural land, preventing access on to a sports field and keeping people to designated walkways, among a wide range of other uses.

The object of this invention is to provide a simple method of establishing such boundaries.

Accordingly, this invention provides a fence based around posts which may include horizontal rails, vertical laths or panels.

Preferably the sections extruded from plastic material, but it may instead be made from wood, metal or indeed a combination of any of these materials. Preferably the sections are square and hollow, but may also be round and/or solid sections.

The preferred embodiment of the invention will now be described with reference to the accompanying drawing in which:

**Figure 1** shows in an orthographic projection of the whole invention.

**Figure 2** shows a perspective view of the whole invention.

**Figure 3** shows an orthographic and perspective view of the alternative fixing for hard ground.

As shown in Figure 1 the invention is made up of extruded sections that interlock to make a fence. The fence comprises of the main posts 1 with holes pre cut to locate the rails 2. These rails 2 have pre cut holes which allow the internal locators 3 to interlock and secure everything firmly in place. The post is then finished with a cap 4. The fence is shown here in a continuous direction but the rails may also be set at various angles to provide corners.

As shown in figure 1 this embodiment of the design includes the foundation bars 5, which are inserted at 45 degree angles to the rails but may also be inserted parallel to these rails depending on the application. The post is then located upright in the ground.

As shown in figure 3 the invention can embody many methods for fixing to the ground, including this bolt down version for hard standings.

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**Claims**

1. A product including a post, rail and locator arranged to provide boundaries.
2. A product as claimed in claim 1 wherein the components interlock (pass through each other) to provide the method of fastening.
3. A product as claimed in claim 1 and claim 2 wherein the rails can be set at various angles to allow the fence to go round corners.
4. A product as claimed in claim 1, claim 2 and claim 3 wherein the post is secured into the ground using foundation bars or any other method.
5. A product as claimed in any previous claim wherein the area between posts is filled with laths or panels as opposed to rails.
6. A product as claimed in any previous claim which is made from plastics material, metal or wood, or from a combination of these materials.
7. A fence substantially as herein described above and illustrated in the accompanying drawings.

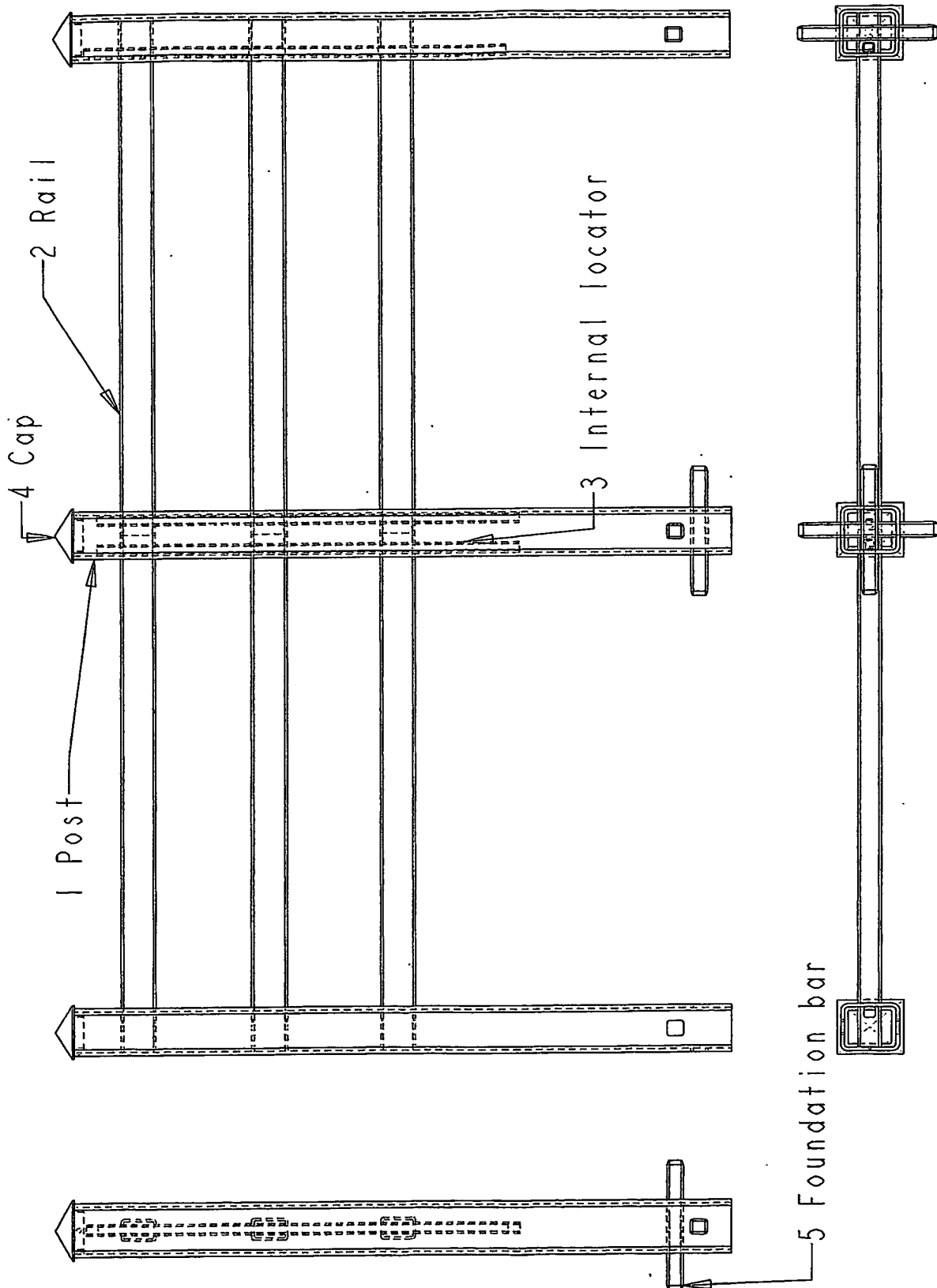
**Abstract**

**Interlocking Fence**

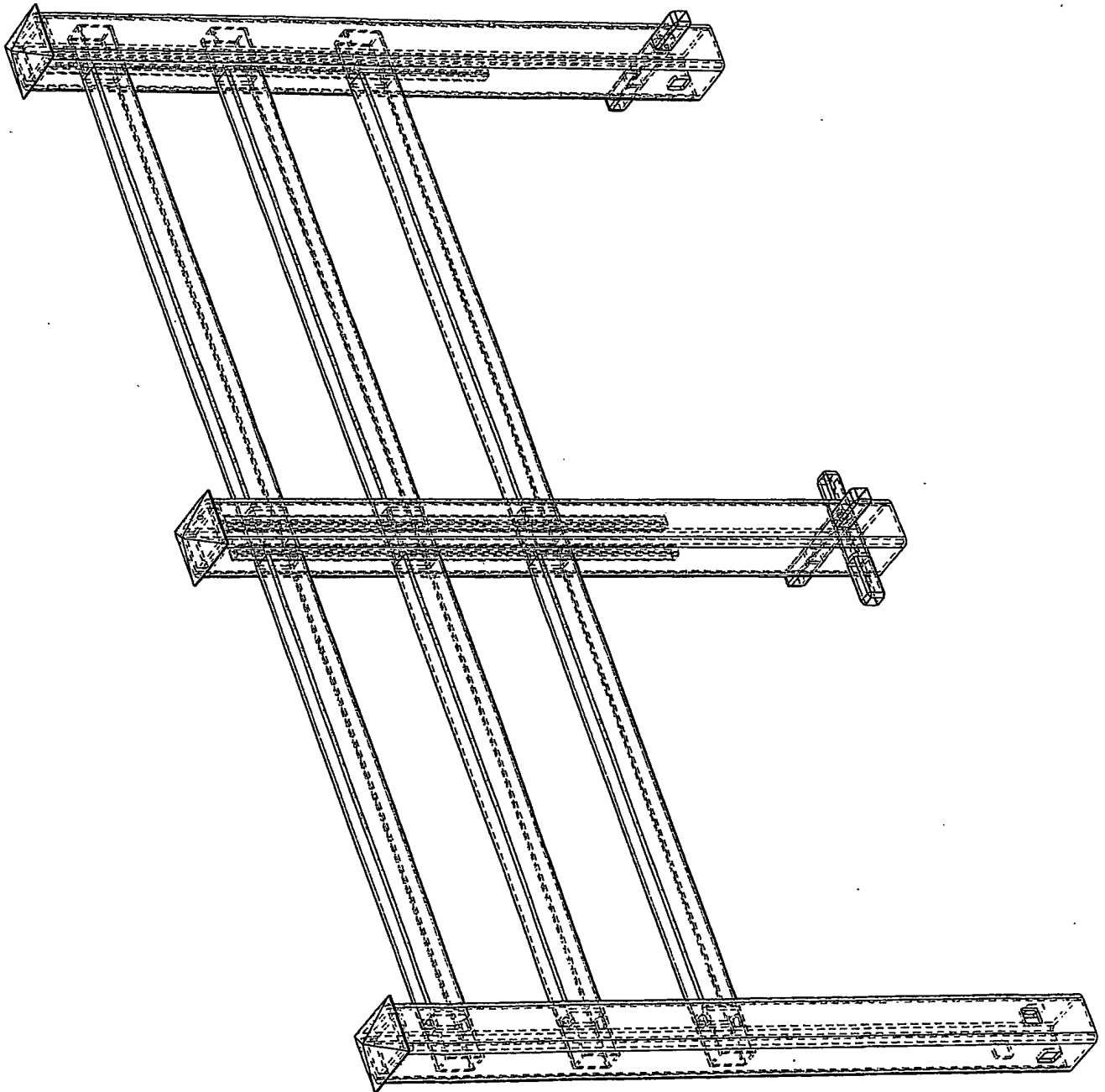
A product for defining boundaries and preventing access that contains all the elements of: A post 1, a rail 2, internal locator 3, cap 4 and foundation bar 5, all of which interlock to construct a fence. This fence may include a foundation bar as for fixing into the ground as shown in figure 1.

(Figure 1 to accompany abstract.)

**Figure 1** an orthographic projection of the whole invention.

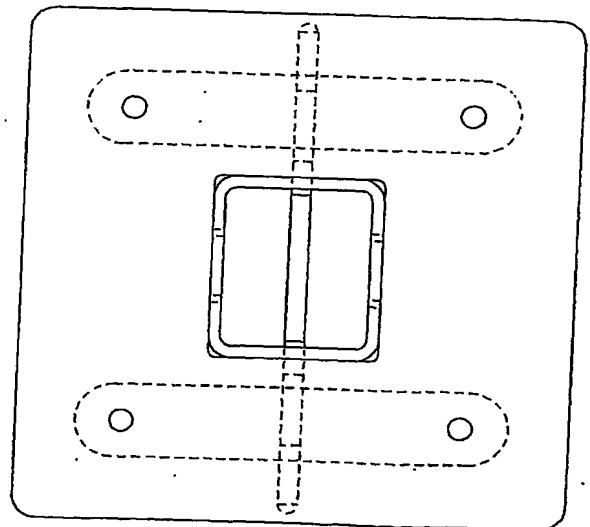
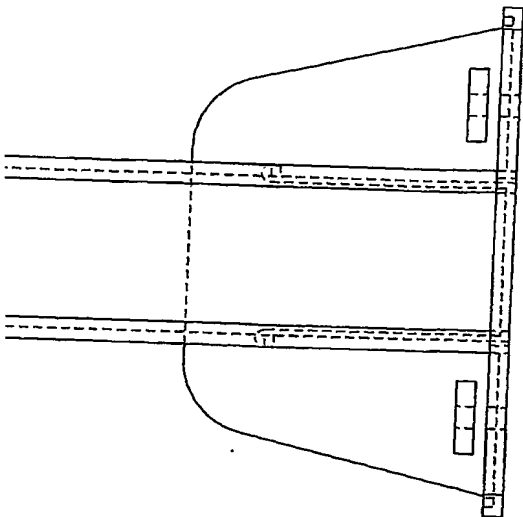
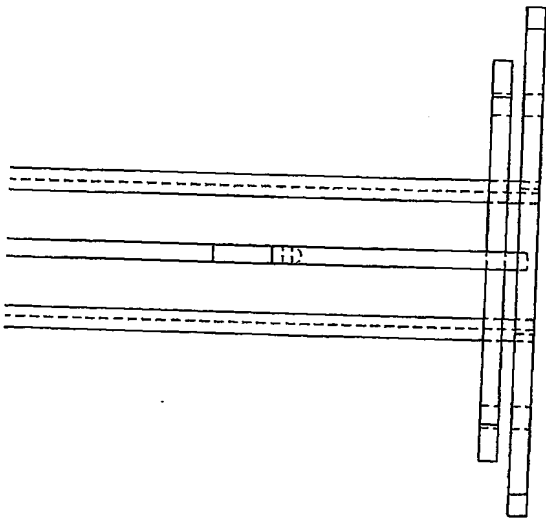
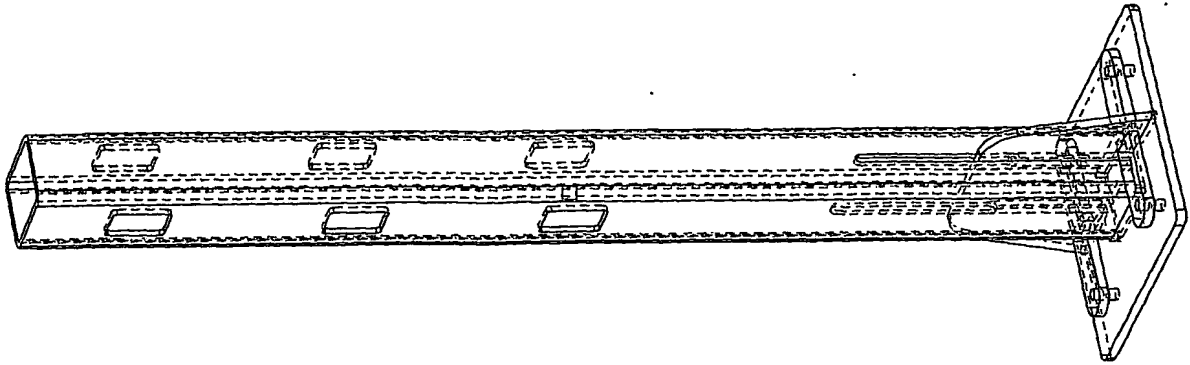


*Figure 2* a perspective view of the whole invention.





**Figure 3** an orthographic and perspective view of the alternative fixing.



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